INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/542,555
Filing Date	January 20, 2004
First Named Inventor	Schwiebert et al.
Group Art Unit	~~Unassigned~~ 1616
Examiner Name	Unassigned PaK

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate
JP	A1	U.S. Patent 6,514,709	02/04/03	Grant			3/13/01
JP	A2	U.S. Patent 5,840,278	11/24/98	Coleman			2/20/97
JP	A3	U.S. Patent 5,834,032	11/10/98	Song			8/11/97

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No

NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
JP	A4	Ackerman and Clapham, Ion channels--basic science and clinical disease. *N. Engl. J. Med.* 336:1575-1586 (1997)
	A5	Amuzescu et al. Zinc is a voltage-dependent blocker of native and heterologously expressed epithelial Na^+ channels. *Pflugers Arch.* 446:69-77 (2003)
	A6	Barg S. Mechanisms of exocytosis in insulin-secreting B-cells and glucagon-secreting A-cells. *Pharmacol. Toxicol.* 92: 3-13 (2003)
	A7	Berger et al. Identification and regulation of the cystic fibrosis transmembrane conductance regulator-generated chloride channel. *J. Clin. Invest.* 88:1422-1431 (1991)
	A8	Braunstein et al. Cystic fibrosis transmembrane conductance regulator facilitates ATP release by stimulating a separate ATP release channel for autocrine control of cell volume regulation. *J. Biol. Chem.* 276(9):6621-6630 (2001)
	A9	Button and Brownstein Aequorin-expressing mammalian cell lines used to report calcium mobilization *Cell Calcium* 14:663-671 (1993)
	A10	Cho et al. Antibacterial effect of intraprostatic zinc injection in a rat model of chronic bacterial prostatitis. *Int. J. Antimicrob. Agents* 19: 576-582 (2002)
	A11	Davis and Konstan Cystic fibrosis. *Am. J. Respir. Crit. Care Med.* 154(5):1229-1256 Review. No abstract available (1996)
	A12	Fuller and Benos, Ca(2+)-Activated Cl(-) Channels: A Newly Emerging Anion Transport Family. *News Physiol. Sci.* 15:165-171 (2000)
	A13	Grantham JJ. Polycystic kidney disease: from the bedside to the gene and back. *Curr. Opin. Nephrol. Hypertens.* 10:533-542 (2001)
	A14	Gregory et al. Expression and characterization of the cystic fibrosis transmembrane conductance regulator. *Nature* 347:382-386 (1990)
	A15	Guay-Woodford and Desmond, Autosomal recessive polycystic kidney disease: the clinical experience in North America. *Pediatrics* 111:1072-1080 (2003)
	A16	Ito et al. Internal Ca2+ mobilization is altered in fibroblasts from patients with Alzheimer disease. *Proc. Natl. Acad. Sci. USA* 91: 534-538 (1994)
JP	A17	Krebs et al. Abnormalities in zinc homeostasis in young infants with cystic fibrosis. *Pediatr. Res.* 48(2):256-261 (2000)

Examiner Signature: /John Pak/	Date Considered: 08/29/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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JP	A18	Leissring et al. Capacitative calcium entry deficits and elevated luminal calcium content in mutant presenilin-1 knockin mice. *J. Cell Biol.* 149(4):793-797 (2000)
	A19	Moran et al. A study to assess the plaque inhibitory action of a new zinc citrate toothpaste formulation. *J. Clin. Periodontal* 28(2):157-161 (2001)
	A20	North RA. Molecular physiology of P2X receptors. *Physiol. Rev.* 82(4):1013-1067 (2002)
	A21	Praetorius and Spring, Bending the MDCK cell primary cilium increases intracellular calcium. *J. Membr. Biol.* 184(1):71-79 (2001)
	A22	Riordan et al. Identification of the cystic fibrosis gene: cloning and characterization of complementary DNA. *Science* 245(4922):1066-1073 (1989)
	A23	Rohatgi et al. Na transport in autosomal recessive polycystic kidney disease (ARPKD) cyst lining epithelial cells. *J. Am. Soc. Neph.* 14(4):827-836 (2003)
	A24	Rugolo et al. ATP and A_1 adenosine receptor agonists mobilize intracellular calcium and activate K^+ and Cl^- currents in normal and cystic fibrosis airway epithelial cells. *J. Biol.Chem.* 268:24779-24784 (1993)
	A25	Schafer, Abnormal regulation of ENaC: syndromes of salt retention and salt wasting by the collecting duct. *Am. J. Physiol.* 283(2):F221-F235 (2002)
	A26	Schreiber et al. Cystic fibrosis transmembrane conductance regulator activates water conductance in *Xenopus* oocytes. *Pflügers Arch.* 434(6):841-847 (1997)
	A27	Schwiebert et al. Autocrine extracellular purinergic signaling in epithelial cells derived from polycystic kidneys. *Amer. J. of Physiology* 282(4 Pt 2)):F763-F775 (April 2002)
	A28	Schwiebert et al. Extracellular nucleotide signaling along the renal epithelium. *Amer. J. of Physiology* 280(6 Pt. 2):F945-F963 (June 2001)
	A29	Sheng et al. External nickel inhibits epithelial sodium channel by binding to histidine residues within the extracellular domains of alpha and gamma subunits and reducing channel open probability. *J. Biol. Chem.* 277(51):50098-50111 (2002)
	A30	Smith and Welsh, cAMP stimulates bicarbonate secretion across normal, but not cystic fibrosis airway epithelia. *J. Clin. Invest.* 89(4):1148-1153. (1992)
	A31	Sohnle, P.G. et al. Effect of zinc-reversible growth-inhibitory activity in human empyema fluid on antibiotic microbicidal activity. abstract, *Antimicrobial Agents Chemotherapy*, 44:139-142, (2000).
	A32	Sperlagh, B. et al. 'Local regulation of [^{3}H]-noradrenaline release from the isolated guinea-pig right atrium by P_{2X}-receptors located on axon terminals. abstract, *British Journal of Pharmacology*, 131(8):1775-1783, (2000).
	A33	Sullivan et al. Measurement of [Ca^{2+}] using the fluorometric imaging plate reader (FLIPR). *Methods in Molecular Biology*, Vol. 114: *Calcium Signaling Protocols* 114:125-133 (1999)
	A34	Sutters and Germino, Autosomal dominant polycystic kidney disease: molecular genetics and pathophysiology. *J. Lab. Clin. Med.* 141(2):91-101 (2003)
	A35	Tarran,R et al. Regulation of murine airway surface liquid volume by CFTR and Ca^{2+}-activated Cl^- conductances. *J. Gen. Physiol.* 120:407-418 (2002)
	A36	Taylor et al. Epithelial P2X purinergic receptor channel expression and function. *J. Clin. Invest.* 104(7):875-884 (Oct. 1999)
	A37	Truong-Tran et al. New insights into the role of zinc in the respiratory epithelium. *Immunol. Cell Biol.* 79:170-177 (2001)
JP	A38	Wang et al. A Novel Member of a Zinc Transporter Family is Defective in Acrodermatitis Enterpathica. *Am. J. Human Genet.* 71:66-73 (2002)

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JP	A39	Wilson PD. Epithelial cell polarity and disease. *Am. J. Physiol.* 272(4 Pt 2):F434-F442 (1997)
	A40	Zabner et al. Correction of cAMP-Stimulated Fluid Secretion in Cystic Fibrosis Airway Epithelia: Efficiency of Adenovirus-Mediated Gene Transfer *in vitro*. *Human Gene Therapy* 5(5)585-593 (1994)
	A41	Zsembery et al. Sustained calcium entry through P2X nucleotide receptor channels in human airway epithelial cells. J Biol Chem. 2003 Apr 11;278(15):13398-408. Epub 2003 Feb 3.
	A42	Zsembery et al. Extracellular zinc and ATP restore chloride secretion across cystic fibrosis airway epithelia by triggering calcium entry. J Biol Chem. 2004 Mar 12;279(11):10720-9. Epub 2003 Dec 29.
	A43	http://members.aol.com/henryhbk/endocrine.html
	A44	http://www.upei.ca/~cidd/Diseases/endocrine%20diseases/endocrine%20disorders%20list.htm
JP	A45	http://homepage.psy.utexas.edu/HomePage/Class/Psy308/Humm/lectures/05-7Neurotransmitters&Drugs

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